

**FEE TRANSMITTAL**

O I P E  
SEP 26 2001  
Patent fees are subject to annual revision.  
PATENT & TRADEMARK OFFICE

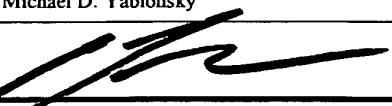
<b>TOTAL AMOUNT OF PAYMENT</b>	<b>\$890</b>
--------------------------------	--------------

*Complete if Known*

Application Number	09/296.662
Filing Date	April 22, 1999
First Named Inventor	Rosen, et al.
Examiner Name	Nolan
Group Art Unit	1644
Attorney Docket Number	20221Y

667012001  
TECH CENTER 1600/2900

METHOD OF PAYMENT (Check one)				FEE CALCULATION (continued)																																																																																																									
<p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:</p> <p>Deposit Account Number <span style="border: 1px solid black; padding: 2px;">13-2755</span></p> <p>Deposit Account Name <span style="border: 1px solid black; padding: 2px;">Merck &amp; Co., Inc.</span></p> <p><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17</p>				<p><b>3. ADDITIONAL FEES</b></p> <table border="1"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>147</td><td>2,520</td><td>For filing a request for reexamination</td><td></td></tr> <tr><td>115</td><td>110</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>116</td><td>390</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>117</td><td>890</td><td>Extension for reply within third month</td><td>890</td></tr> <tr><td>118</td><td>1,390</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>128</td><td>1,890</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>119</td><td>310</td><td>Notice of Appeal</td><td></td></tr> <tr><td>120</td><td>310</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121</td><td>270</td><td>Request for oral hearing</td><td></td></tr> <tr><td>140</td><td>110</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>141</td><td>1,240</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>142</td><td>1,240</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>143</td><td>440</td><td>Design issue fee</td><td></td></tr> <tr><td>122</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>123</td><td>50</td><td>Petitions related to provisional applications</td><td></td></tr> <tr><td>126</td><td>180</td><td>Submission of Information Disclosure Statement</td><td></td></tr> <tr><td>581</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>146</td><td>710</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>149</td><td>710</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr> <tr><td>179</td><td>710</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td colspan="4">Other fee (specify) _____</td></tr> <tr><td colspan="4">Other fee (specify) _____</td></tr> <tr> <td colspan="4"></td> <td style="text-align: right;"><b>SUBTOTAL(3)</b></td> <td style="text-align: right;"><b>\$890</b></td> </tr> </tbody> </table>				Large Entity Fee Code	Fee (\$)	Fee Description	Fee Paid	105	130	Surcharge - late filing fee or oath		147	2,520	For filing a request for reexamination		115	110	Extension for reply within first month		116	390	Extension for reply within second month		117	890	Extension for reply within third month	890	118	1,390	Extension for reply within fourth month		128	1,890	Extension for reply within fifth month		119	310	Notice of Appeal		120	310	Filing a brief in support of an appeal		121	270	Request for oral hearing		140	110	Petition to revive - unavoidable		141	1,240	Petition to revive - unintentional		142	1,240	Utility issue fee (or reissue)		143	440	Design issue fee		122	130	Petitions to the Commissioner		123	50	Petitions related to provisional applications		126	180	Submission of Information Disclosure Statement		581	40	Recording each patent assignment per property (times number of properties)		146	710	Filing a submission after final rejection (37 CFR 1.129(a))		149	710	For each additional invention to be examined (37 CFR 1.129(b))		179	710	Request for Continued Examination (RCE)		Other fee (specify) _____				Other fee (specify) _____								<b>SUBTOTAL(3)</b>	<b>\$890</b>
Large Entity Fee Code	Fee (\$)	Fee Description	Fee Paid																																																																																																										
105	130	Surcharge - late filing fee or oath																																																																																																											
147	2,520	For filing a request for reexamination																																																																																																											
115	110	Extension for reply within first month																																																																																																											
116	390	Extension for reply within second month																																																																																																											
117	890	Extension for reply within third month	890																																																																																																										
118	1,390	Extension for reply within fourth month																																																																																																											
128	1,890	Extension for reply within fifth month																																																																																																											
119	310	Notice of Appeal																																																																																																											
120	310	Filing a brief in support of an appeal																																																																																																											
121	270	Request for oral hearing																																																																																																											
140	110	Petition to revive - unavoidable																																																																																																											
141	1,240	Petition to revive - unintentional																																																																																																											
142	1,240	Utility issue fee (or reissue)																																																																																																											
143	440	Design issue fee																																																																																																											
122	130	Petitions to the Commissioner																																																																																																											
123	50	Petitions related to provisional applications																																																																																																											
126	180	Submission of Information Disclosure Statement																																																																																																											
581	40	Recording each patent assignment per property (times number of properties)																																																																																																											
146	710	Filing a submission after final rejection (37 CFR 1.129(a))																																																																																																											
149	710	For each additional invention to be examined (37 CFR 1.129(b))																																																																																																											
179	710	Request for Continued Examination (RCE)																																																																																																											
Other fee (specify) _____																																																																																																													
Other fee (specify) _____																																																																																																													
				<b>SUBTOTAL(3)</b>	<b>\$890</b>																																																																																																								
<p><b>1. BASIC FILING FEE</b></p> <table border="1"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>101</td><td>710</td><td>Utility filing fee</td><td></td></tr> <tr><td>106</td><td>320</td><td>Design filing fee</td><td></td></tr> <tr><td>108</td><td>710</td><td>Reissue filing fee</td><td></td></tr> <tr><td>114</td><td>150</td><td>Provisional filing fee</td><td></td></tr> <tr> <td colspan="3" style="text-align: right;"><b>SUBTOTAL(1)</b></td> <td style="text-align: right;"><b>\$0</b></td> </tr> </tbody> </table>				Large Entity Fee Code	Fee (\$)	Fee Description	Fee Paid	101	710	Utility filing fee		106	320	Design filing fee		108	710	Reissue filing fee		114	150	Provisional filing fee		<b>SUBTOTAL(1)</b>			<b>\$0</b>	<p><b>2. EXTRA CLAIM FEES</b></p> <table border="1"> <thead> <tr> <th>Total Claims</th> <th>-</th> <th>20</th> <th>** =</th> <th>0</th> <th>x \$18 =</th> <th>0</th> </tr> <tr> <th>Independent Claims</th> <th>-</th> <th>3</th> <th>** =</th> <th>0</th> <th>x \$80 =</th> <th>0</th> </tr> </thead> <tbody> <tr> <td colspan="4">Multiple Dependent Claims</td> <td colspan="3">\$270 =</td> </tr> </tbody> </table> <p>**or number previously paid, if greater; For Reissues, see below</p> <table border="1"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Fee (\$)</th> <th>Fee Description</th> </tr> </thead> <tbody> <tr><td>103</td><td>18</td><td>Claims in excess of 20</td></tr> <tr><td>102</td><td>80</td><td>Independent claims in excess of 3</td></tr> <tr><td>104</td><td>270</td><td>Multiple dependent claim, if not paid</td></tr> <tr><td>109</td><td>80</td><td>**Reissue independent claims over original patent</td></tr> <tr><td>110</td><td>18</td><td>**Reissue claims in excess of 20 and over original patent</td></tr> <tr> <td colspan="3" style="text-align: right;"><b>SUBTOTAL(2)</b></td> <td style="text-align: right;"><b>\$0</b></td> </tr> </tbody> </table>				Total Claims	-	20	** =	0	x \$18 =	0	Independent Claims	-	3	** =	0	x \$80 =	0	Multiple Dependent Claims				\$270 =			Large Entity Fee Code	Fee (\$)	Fee Description	103	18	Claims in excess of 20	102	80	Independent claims in excess of 3	104	270	Multiple dependent claim, if not paid	109	80	**Reissue independent claims over original patent	110	18	**Reissue claims in excess of 20 and over original patent	<b>SUBTOTAL(2)</b>			<b>\$0</b>																																			
Large Entity Fee Code	Fee (\$)	Fee Description	Fee Paid																																																																																																										
101	710	Utility filing fee																																																																																																											
106	320	Design filing fee																																																																																																											
108	710	Reissue filing fee																																																																																																											
114	150	Provisional filing fee																																																																																																											
<b>SUBTOTAL(1)</b>			<b>\$0</b>																																																																																																										
Total Claims	-	20	** =	0	x \$18 =	0																																																																																																							
Independent Claims	-	3	** =	0	x \$80 =	0																																																																																																							
Multiple Dependent Claims				\$270 =																																																																																																									
Large Entity Fee Code	Fee (\$)	Fee Description																																																																																																											
103	18	Claims in excess of 20																																																																																																											
102	80	Independent claims in excess of 3																																																																																																											
104	270	Multiple dependent claim, if not paid																																																																																																											
109	80	**Reissue independent claims over original patent																																																																																																											
110	18	**Reissue claims in excess of 20 and over original patent																																																																																																											
<b>SUBTOTAL(2)</b>			<b>\$0</b>																																																																																																										

SUBMITTED BY				Complete (if applicable)	
Typed or Printed Name	Michael D. Yablonsky			Reg. Number	40,407
Signature				Date	09/24/2001
				Deposit Account User ID	

RECEIVED

**RECEIVED**

OCT 01 2001

TECH CENTER 1600/2900



Application Number: 09/296.662  
Filing Date: 04/22/1999  
First Named Inventor: Rosen, et al.  
Group Art Unit: 1644  
Examiner Name: Nolan  
Attorney Docket Number: 20221Y

**FIRST CLASS MAIL CERTIFICATE**

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO: ASSISTANT COMMISSIONER FOR PATENTS, WASHINGTON, D.C. 20231, ON THE DATE APPEARING BELOW.

MERCK & CO., INC.

MAILED BY

Kancy Foyke

DATE

9/24/01



PATENT  
CASE NO. 20221Y

OCT 01 2001  
TECH CENTER 1600/2000

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Assistant Commissioner for Patents  
Washington, D.C. 20231

In re application of: ROSEN, ET AL.

Serial No. 09/296,662

Filed April 22, 1999

Group Art Unit 1644

Examiner Nolan

For: AUTOANTIGENIC FRAGMENTS, METHODS AND ASSAYS

Transmitted herewith is an amendment in the above-identified application.

- No additional fee is required.  
 The fee has been calculated as shown below.

CLAIMS AS AMENDED

(1)	(2) Claims remaining after amendment	(3)	(4) Highest Number Previously Paid For	(5) Present Extra	(6) Rate	(7) Additional Fee
Total Claims	* 30	-	** 29 =	1 X	\$18	= 18.00
Independent Claims	* 6	-	*** 6 =	0 X	\$80	= 0.00
Multiple Dependent Claims					\$270 ****	=
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT						18.00

\* If the entry in Column 2 is less than the entry in Column 4, write "0" in Column 5.

\*\* If the "Highest Number Previously Paid For" in this space is less than 20, write "20" in this space.

\*\*\* If the "Highest Number Previously Paid For" in this space is less than 3, write "3" in this space.

\*\*\*\* Add this fee only if application is amended to include multiple dependent claims (regardless of number) and no multiple dependent claims were originally filed.

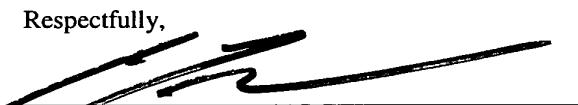
Charge \$ 18.00 to Deposit Account No. 13-2755. Please charge any additional fees or credit overpayment to Deposit Account No. 13-2755. A duplicate copy of this sheet is enclosed.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on the date appearing below.

MERCK & CO., INC.

By Nancy J. Yablonsky Date 9/24/01

Respectfully,

  
By: Michael D. Yablonsky

Attorney for Applicant(s)

Reg. No. 40,407

MERCK & CO., INC.  
Patent Dept., RY60-30  
P.O. Box 2000  
Rahway, N.J. 07065-0907

(732) 594-4678

Date: September 24, 2001

IN DUPLICATE